Pag	•	1	۸f	1
	•		v	

	PT	O-12	149		10/028,009		Applicant(s) Paul E. Do	ucette, et al.	
		Y 4	iammatian Disalaan	Citatian	Docket Number	Group Art Uni	Fi	ling Date	
	È		ormation Disclosus In an Applicat		004578.1147	2821		December	r 21, 2001
•		70	\						
VI.		2003		U.	S. PATENT DOCUM	ENTS			
2	TRA	P. A. B.	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING	G DATE
þ	it	A	5,475,392	12/12/95	Newberg, et al.		\		-
		В							
		С	· ·			•			
		D					1.		
	,	E							÷5
		F	_				i ii	JUL 30 20	FOEIVI
		G						33	<u> </u>
		H			•			7 2	M
		I						# 3 #	
		J						TX.	
		K					·		
		L	·			0			
				FORE	EIGN PATENT DOC	UMENTS			
			DOCUMENT NO.	DATE	COUNTRY	SUBCLASS		LATION	
		М				<b></b>		YES	NO
ł		N		<del></del>				<del> </del>	-
		0							
ł		P	•				<del>                                     </del>	<del> </del>	
1	$\dashv$	Q						+	<del> </del>
								<u></u>	L
			DO	OCUMENT (inc	luding Author, Title, So	urce, Pertinent l	Pages, and Date	;)	
		R	Guirona et al "Mines	from All Digital C	uadrature Demodulation'	TEEE Decedio		T-aaia-	-1
4	E13		Conference on Signal I	Processing (ICSP	), October 12, 1998, Vo	1. 2, pages 1704-	1707 and an inde	x sheet.	
		S							
ſ		T							
1	EX	AMIN	JER		DATE C	ONSIDERED	· · · · · · · · · · · · · · · · · · ·	<del></del>	
						46/65			
	cons	idered.	Include copy of this form wit	h next communication	ion is in conformance with MPI n to the applicant.	EP § 609. Draw line	through citation if n	x in conforma	nce and not
_	U.S.	PATE	NT AND TRADEMARK OF	FICE					

<b>U</b>	•

Page 1 of 1

PT	<b>O</b> -1	449 "		Application No. 10/028,009		Applicant(s) Paul E. Dou	cette et al	L		
	In	formation Disclosu In an Applica	tion	Docket Number 004578.1147	Group Art Unit Unknow	Fil	Filing Date December 21, 2			
			12	PATENT DOCUM	ŒNTS					
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILIN	G DATE		
=5	A	4,839,652	06/13/89	O'Donnell, et al.	-					
20	В	4,983,970	01/08/91	O'Donnell, et al						
	С							·		
	D			•						
	E					į		-77		
	F							7.		
	G						6			
	Н									
	I						, s			
	1					Ĭ.				
	K					( )				
	L				<u> </u>					
			FOREI	GN PATENT DOC	UMENTS					
		DOCUMENT NO.	DATE	COUNTRY CLASS	SUBCLASS	TRANSLATION				
	M						YES	NO		
	N						-			
$\dashv$	0									
	P									
$\vdash$	Q									
H		<u> </u>				<u> </u>				
		D	OCUMENT (Inclu	ding Author, Title, Sc	ource, Pertinent F	Pages, and Date)	•			
1	R	U.S. Serial No. 09/56 inventors G. Van And	7,543, filed May 5, 2	000, entitled "PHASE	D ARRAY ANTE	NNA DATA RE	-ALIGNM	ENT", by		
	S	mveniors G. Van And	iews, et al., 22 page	on rest and a manual	succis. (Attorne)	DULLET NO.004	, 10.1VJ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	T		_							
EX	AMI	NER S		DATE	CONSIDERED	1//				
	MINI	ER: Initial if citation consider	d subsubsus as and admin	le la conferencia suici sei	4/6		- h	sacs and and		
COTA	idered	i. include copy of this form w	ith next communication	to the applicant.	rer gody. Draw tine	Chonky custon it is	A In CONTONN			
U-5-	PATT	ENT AND TRADEMARK (	JFF1CE							

PT	Application No. Applicant(s) 10/028,009 Paul E. Doucette, et al.										
	₫¶	ferneation Disclosu		Docket Num 004578.11	ber	Group Ari Unknown	Unit				2001
k.	AR O	8 2002		U.S. PATENT	DOCUMI	ENTS					
	. >.	ENSCUMENT NO.	DATE	NAM	Œ	CLAS	s	SUBC	LASS	FILING	(
xi	A	3,887,918	06/03/1975	Baile	У		$\prod$			SEP O	
a	В	4,688,045	08/18/1987	Knuds	en		$\Box$		1	Sco	FIVE
$\prod$	С	4,749,995	06/07/1988	Hopwood	, et al.	7			Tec	O de	0 70.
	D	4,886,069	12/12/1989	O'Don	nell				1	anology Ce	1002
	E	5,084,708	1/28/1992	Champeau	ı, et al.	1					2600
	F	5,223,843	06/29/1993	Hutchie	son						
	G	5,271,034	12/14/1993	Abaun	za						
$\prod$	H	5,414,433	05/09/1995	Chan	g	1	$\neg$				
	I	5,461,389	10/24/1995	Dear	1						
1	J	5,764,187	06/09/1998	Rudish,	et al.	1					
4	K	5,943,010	08/24/1999	Rudish,	t al.	<del> </del>			-		
2/	L	6,031,485	02/29/2000	Cellai, e	t al.		$\exists$				
			FO	REIGN PATEI	NT DOCU	MENTS					
		DOCUMENT NO.	DOCUMENT NO. DATE CO			CLASS SUBCLA			LASS	TRANSL	
3	M	2 130 798 A	06/06/1984	UK	<del></del>	-	_			YES	NO
टेड इंड्रे इंड्रे	N	2 313 711 A	12/03/1997	UK		<u> </u>	_				
50	0	WO-01/67548 A2	09/13/2001	PCT	<del></del>	<del> </del>	=		_		
	P		<del>-</del> -			<del> </del>	$\dashv$				
寸	Q					<del>                                     </del>	$\dashv$	-			
		D	OCUMENT (	Including Author	, Title, Sou	rce, Pertines	nt Pa	ges, and	i Date)		
VÍ.	R	Thompson, Rick et al. Demonstration on Nav vol. 21, No. 4, 11/199	ry AN/APS-14: 8, pp. 447-462.	5 E2-C Airborne I	Early Warnii	ng Aircraft R	adar"	, IEEE	Trans o	n CPMT Pa	rt B,
CA	S	Brinegar, C., et al. "De Software Radio Recei	ver", IEEE RA	WCON '98 Proces	dings, 8/19	98, cover she	et and	d pp. 27	7-280.		
12	T	Ho, K.C., et al., "A Di 1218-1227.	gital Quadratus	re Demodulation S	System", IEI	E Trans. on	AES,	Vol. 32	2, No. 4	, 10/1996, p	pp.
EXA	MI			7	DATE CO	NSIDERED		//	/		
EV.	MBIF	D. Initial if silving				<u> </u>	70	7/0	<u> </u>		
CORE	dered.	R: Initial if citation consider Include copy of this formula INT AND TRADEMARK O	ith next communic	ciusion is in conforma ation to the applicant.	nce with MPEI	r 9 609. Drywe h	ine the	ough cital	ion if no	in conforman	ce and not

1.4

										Page 2 of 3
PI	O-1	449		Application 10/028,009	No.		Applicant(s) Paul E. Dou	cette.	et al.	
	Information Disclosure Citation In an Application  In an Application  In an Application						Date	, 2001		
		MAR 0	8 2002	U.S. PATENT	DOCUME	INTS				
		DOCUMENTANDAD	MARKATE	NAM	E	CLASS	SUBCLA	ss	FILIN	G DATE
مکرنج مکرنجو	U	6,052,085	04/18/2000	Hanson,	et al.				*	
ν <u>Έ</u> γη	V	6,141,371	10/31/2000	Holmes,	ct al.			4	ECE	**
كانته	W	6,191,735	02/20/2001	Schinel	ler		-	_5;	D 0	VED
	X						Tech	701	P O 6	2002
	Y							THE STATE OF	ly Cente	· 20.
	Z									<000
	AA									
	BB									
	cc									
	DD									
	EE						•			
	FF									
			FOI	REIGN PATE	NT DOCU	MENTS				
		DOCUMENT NO.	DATE	COUNT	RY	CLASS	SUBCLAS	ss		LATION
	GG							╁	YES	NO
	нн			····				╬		
	II .					-	<del> </del>	+		
	IJ			· · · · · · · · · · · · · · · · ·	<del></del>	<del> </del>	<del> </del>	-		
	KK				<del></del>	-	1	$\dashv$		<del> </del>
						I	<u> </u>			L
		D	OCUMENT (I	ncluding Author	, Title, Sour	rce, Pertinent	Pages, and Da	ate)		
, i,	LL	Brown, A. et al., "Dig	ital Downconve	rsion Test Result	s with a Bros	dband L-Band	GPS Receive	r", lE	EE Digi	tal
N-A	ММ	Avionics Systems Cor Eerola, V. et al., "Dire and Systems, 5/1992,	ct Conversion (	Jsing Lowpass Si		Aodulation", Pr	oc. IEEE Int'l	Sym	posium o	n Circuits
8	NN	Steyskal, Hans, "Digit	al Beamformin	g at Rome Labora	tory", Micro	wave Journal,	U.S. Horizon	Hous	e, Dedha	m, vol.
EX	AMI	176, No. 2, 02/1996, p NER		107-0, 110, 113-4	DATE CO	20, 122,-124, 1 NSIDERED	/		•	
						4/00	165			
cons	MINE idered.	R: Initial if citation consider Include copy of this form w	ed, whether or not of the ith next communication	citation is in conformation to the applicant.	nce with MPEP	§ 609. Draw line	through citation i	if not i	n conforma	ince and not
		NT AND TRADEMARK O								

						ORIGINALL	Y FILED	
•								Page 3 of 3
P7	rO-14	49		Application No. 10/028,009		Applicant(s) Paul E. Douce	tte et el	
				Docket Number	Group Art Unit		ling Date	<del></del>
	Inf	ormation Disclosu In an Appinca		004578.1147	Unknown		ecember 21	, 2001
		MAR O	8 2002	U.S. PATENT DOCUM	MENTS			
		DOCUMENTED	EMARATE	NAME	CLASS	SUBCLASS	FILING	G DATE
	00							
	PP						SEP O	E
	QQ			· · · · · · · · · · · · · · · · · · ·			SFP	LIVE
	RR					Tec	Maria	# 2002
	SS						hnology Ce	Mer 200
	TT							
	บบ			<u>, , , , , , , , , , , , , , , , , , , </u>			<u> </u>	
	vv							
	ww					<del> </del>	1	-
-	XX						<u> </u>	
	YY							
	ZZ							
			FOR	REIGN PATENT DOC	UMENTS			
		DOCUMENT NO.	DATE	COUNTRY CLASS	SUBCLASS	TRANSLATION		
	AAA						YES	NO
	BBB							
	CCC							
						<u> </u>		
		D	OCUMENT (I	ncluding Author, Title, S	Source, Pertinent 1	Pages, and Dat	e) _	
رد	DDD	U.S. Serial No. 09/51	9,069, filed Ma	arch 3, 2000, entitled "DIG	ITAL PHASED A	RRAY ARCHI	TECTURE	AND
T/-		RAYT:009, case 373	23).	ntor Gary A Frazier, text p			_	
Z,	EEE	Wong, A.C.C., "Rada	r Digital Beam	forming", Standard Teleco 32, 10/20/83, cover sheet a	mmunication Labo	ratories, Harlov	v, Essex, U.	K., '
	L		Comercial 130	z, iorzoros, cover succe a	116 pp. 20/-274.			

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609 Draw line through citation if not in conformance and not considered. Include sopy of this form with next communication to the applicant.

Caputi, William J., "Stretch: A Time-Transformation Technique", IEEE Transactions on Aerospace and Electronic Systems, Vol. AES-7, No.2, March 1971, pp. 269-278.

DATE CONSIDERED

U.S. PATENT AND TRADEMARK OFFICE

**EXAMINER**